

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414871

Luminaire Tested: **LXF.LXT-PA1-30-830-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2865 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

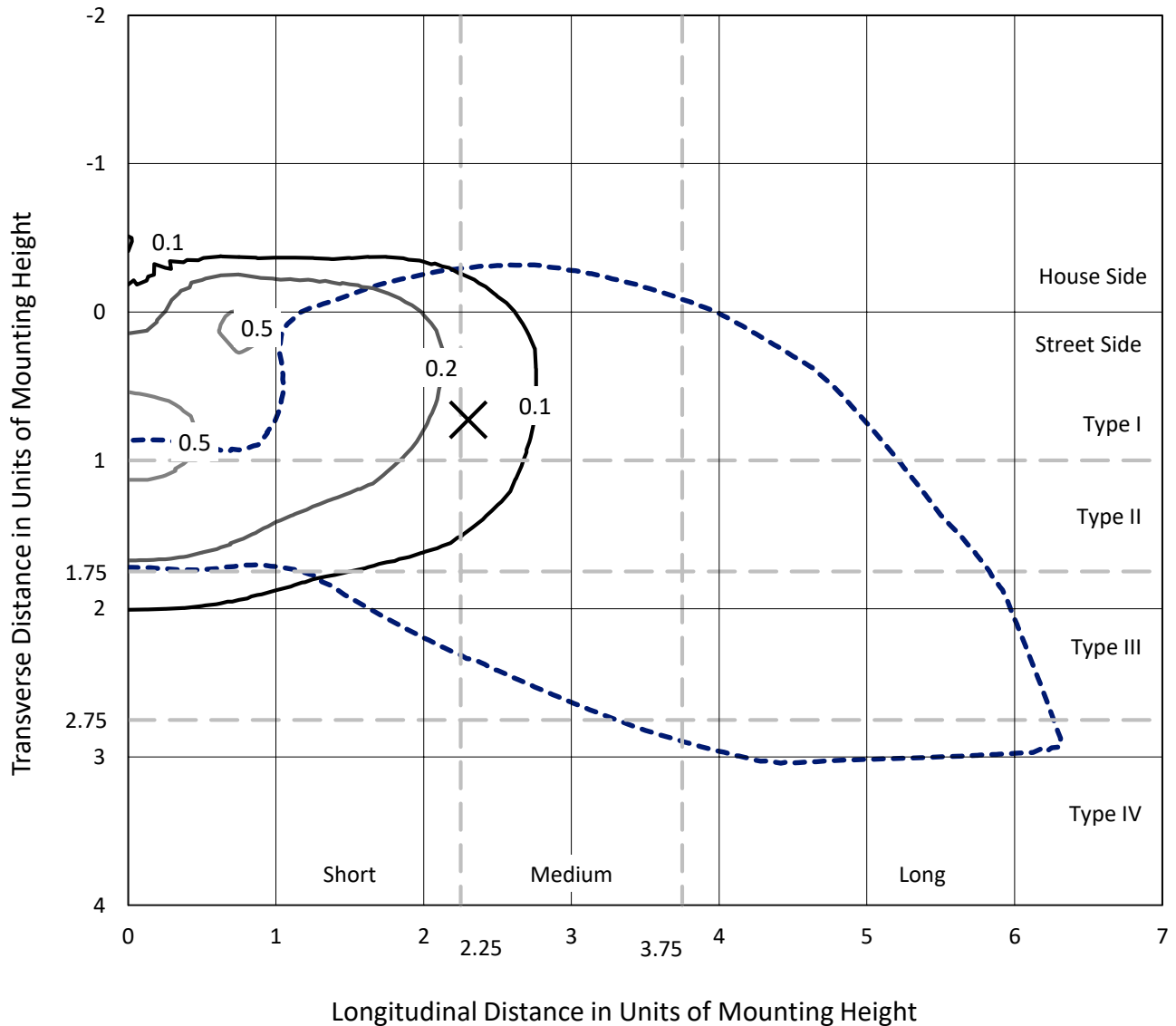
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

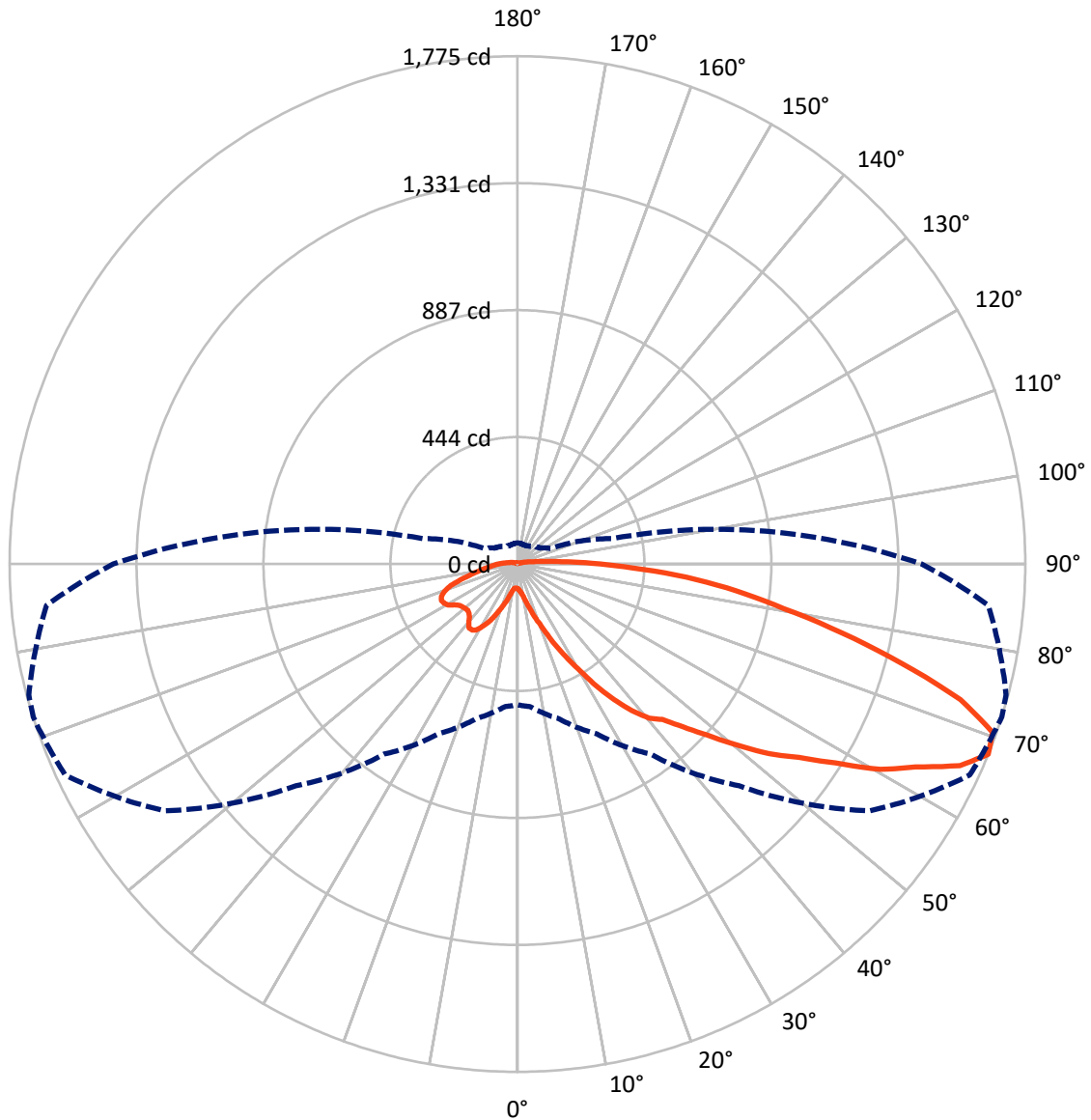
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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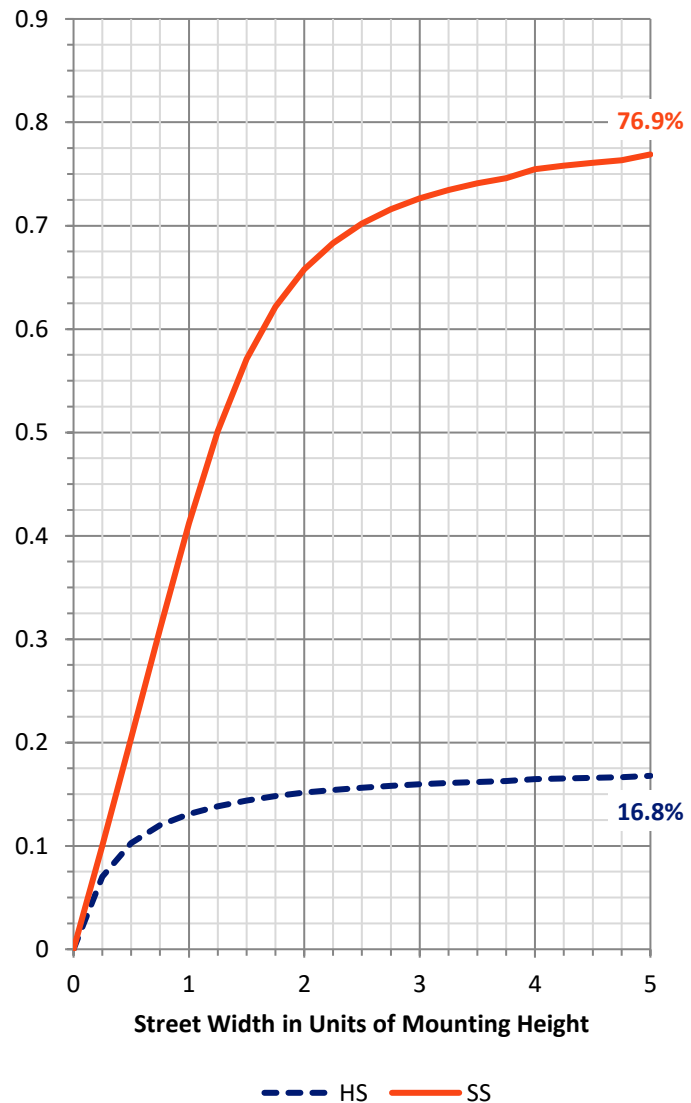
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	501.3	44.1	545.3
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	2257.3	62.3	2319.6
	% Fixture	78.8	2.2	81.0
Total	Lumens	2758.6	106.4	2865.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.3
10°-20°	38.7	1.3
20°-30°	107.1	3.7
30°-40°	230.4	8.0
40°-50°	390.0	13.6
50°-60°	572.1	20.0
60°-70°	682.3	23.8
70°-80°	509.6	17.8
80°-90°	219.4	7.7
90°-100°	63.7	2.2
100°-110°	20.7	0.7
110°-120°	9.7	0.3
120°-130°	5.9	0.2
130°-140°	3.8	0.1
140°-150°	1.7	0.1
150°-160°	0.6	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2758.6	96.3
0°-180°	2865.0	100.0



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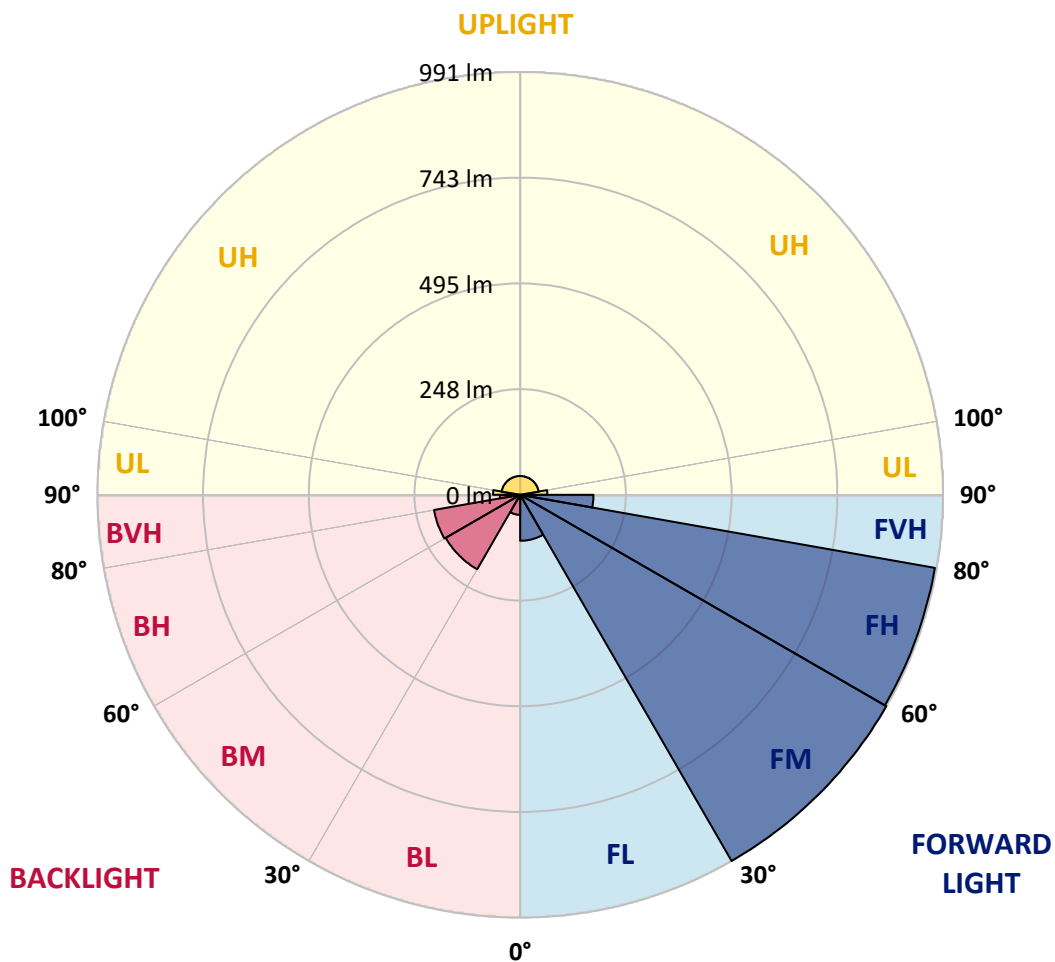
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.8	3.8			
FM	(30°-60°)	990.9	34.6			
FH	(60°-80°)	987.0	34.4			G1/1800
FVH	(80°-90°)	171.7	6.0			G2/225
BL	(0°-30°)	47.0	1.6	B0/110		
BM	(30°-60°)	201.6	7.0	B0/220		
BH	(60°-80°)	204.9	7.2	B1/500		G1/500
BVH	(80°-90°)	47.8	1.7			G1/100
UL	(90°-100°)	63.7	2.2		U3/500	
UH	(100°-180°)	44.1	1.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	94.1	94.7	95.4	95.1	94.7	93.7	92.0	90.4	88.7	88.7	87.3
5°	107.5	107.2	106.8	107.2	105.5	103.1	100.4	97.4	95.1	94.4	91.0
7.5°	122.9	122.3	122.9	120.9	118.6	115.6	111.5	107.5	103.5	102.8	97.4
10°	141.4	140.7	140.4	138.7	134.4	130.0	126.0	119.6	116.6	115.6	108.5
12.5°	164.6	164.3	162.2	158.9	153.2	148.8	143.1	139.7	136.7	134.4	127.3
15°	191.1	191.8	189.5	182.4	175.3	168.6	165.9	163.2	160.9	159.9	153.8
17.5°	228.4	227.1	221.7	210.9	199.5	194.2	191.8	190.1	192.5	191.8	182.4
20°	274.4	271.1	262.7	244.2	230.1	221.4	219.3	222.4	223.7	227.1	220.7
22.5°	328.5	324.1	310.0	289.2	268.7	252.3	250.2	259.3	267.7	268.7	266.0
25°	381.3	377.2	364.8	337.6	310.0	288.2	283.5	303.7	320.5	323.5	327.2
27.5°	435.3	433.3	415.2	385.6	355.4	327.8	327.2	349.0	375.2	382.3	388.6
30°	496.8	501.5	478.7	441.4	403.4	371.5	369.8	402.1	434.3	449.4	460.2
32.5°	583.5	579.4	550.9	509.2	452.8	415.5	417.9	455.5	509.9	522.7	536.8
35°	682.9	684.2	645.3	580.4	513.9	467.9	466.2	518.6	581.8	592.5	616.0
37.5°	764.5	771.2	742.3	667.8	582.5	523.0	525.4	584.1	650.6	672.1	692.6
40°	852.2	858.2	824.6	752.1	657.0	583.8	587.2	644.3	707.8	725.2	730.3
42.5°	947.9	954.0	913.3	827.3	719.8	657.0	643.9	687.6	743.0	764.9	769.2
45°	1037.6	1048.0	1007.0	905.9	790.0	722.9	703.0	738.3	810.9	831.0	835.7
47.5°	1065.2	1077.6	1059.8	977.1	857.2	779.6	766.5	815.6	893.8	923.7	917.7
50°	1091.7	1103.1	1092.4	1019.1	913.0	845.5	848.5	905.6	994.3	1032.6	1027.9
52.5°	1095.7	1107.5	1096.4	1045.0	960.7	912.0	945.6	1013.1	1101.1	1129.0	1122.3
55°	1102.4	1110.2	1100.1	1042.0	995.3	982.9	1046.3	1123.3	1193.1	1226.4	1215.3
57.5°	1009.1	1012.1	1048.7	1033.2	1002.7	1061.5	1159.9	1229.4	1311.7	1361.4	1355.7
60°	874.7	881.1	926.4	962.0	997.6	1117.6	1271.4	1376.5	1457.2	1489.7	1458.8
62.5°	764.2	771.2	818.9	864.6	955.0	1142.4	1388.0	1508.2	1561.3	1590.8	1554.2
65°	615.7	621.1	679.2	768.9	885.4	1132.7	1475.3	1645.3	1698.7	1710.4	1639.6
67.5°	492.1	500.2	559.3	655.0	810.9	1095.7	1503.8	1744.0	1774.9	1767.9	1652.0
70°	366.1	370.2	442.4	564.0	722.5	1015.1	1476.6	1766.2	1761.5	1752.4	1593.5
72.5°	252.3	251.6	319.4	438.0	630.5	923.1	1350.0	1640.9	1618.7	1595.2	1394.0
75°	162.9	172.0	214.3	318.4	509.9	790.0	1186.1	1424.9	1387.3	1350.0	1148.5
77.5°	109.8	116.2	150.5	228.1	389.6	664.4	1020.8	1223.7	1160.9	1127.0	927.1
80°	75.6	78.3	104.5	167.6	289.9	527.0	836.1	1012.8	944.2	903.9	719.5
82.5°	53.1	55.1	72.9	123.6	218.3	393.7	667.4	842.4	770.6	741.3	558.9
85°	38.3	39.6	52.4	92.0	165.9	295.6	507.9	655.3	592.9	570.4	399.4
87.5°	28.6	29.9	39.6	68.2	127.6	224.7	378.9	469.3	402.1	372.9	252.3
90°	21.2	22.5	30.6	51.1	99.8	169.3	274.4	320.8	261.0	236.5	160.9
92.5°	15.8	16.8	22.8	37.3	76.3	129.7	193.5	202.9	154.5	140.7	101.4
95°	11.8	12.4	17.1	27.2	54.4	94.4	126.6	118.6	91.0	82.6	64.2
97.5°	9.7	10.1	13.4	20.8	38.3	66.2	81.3	72.9	58.8	54.8	44.3
100°	8.1	8.4	10.7	15.8	27.9	45.3	53.7	47.4	41.0	39.3	34.6
102.5°	7.1	7.4	9.1	13.1	20.8	32.6	37.3	33.9	30.2	28.9	26.9
105°	6.4	6.4	8.1	11.1	17.1	24.5	27.2	24.9	22.5	21.8	21.5
107.5°	5.7	5.7	7.1	9.7	14.1	19.1	20.5	18.5	16.5	16.1	17.1
110°	5.4	5.4	6.4	8.7	12.1	15.8	16.1	13.8	12.4	12.4	13.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	5.0	5.0	6.0	7.7	10.7	13.1	12.8	10.7	9.7	9.7	11.4
115°	5.0	5.0	5.7	7.4	9.4	11.1	10.4	8.7	8.1	8.1	9.7
117.5°	5.0	5.4	5.7	7.1	8.7	9.7	9.1	7.4	7.1	7.1	8.7
120°	5.4	5.4	5.7	7.1	8.1	8.4	7.7	6.4	6.0	6.4	8.1
122.5°	5.4	5.4	6.0	7.1	7.7	7.7	6.7	5.7	5.7	5.7	7.4
125°	5.7	5.7	6.0	7.1	7.4	7.1	6.0	5.4	5.4	5.7	6.7
127.5°	6.0	6.0	6.4	7.1	7.1	6.4	5.7	5.0	5.0	5.4	6.7
130°	6.7	6.7	6.7	7.1	6.4	5.7	5.0	4.7	5.0	5.4	6.7
132.5°	6.7	6.7	6.7	6.7	6.0	5.0	4.7	4.4	5.0	5.4	6.4
135°	6.0	6.0	6.0	6.0	5.4	4.4	4.0	4.0	4.7	5.0	6.0
137.5°	5.4	5.4	5.4	5.0	4.7	4.0	3.4	3.4	4.0	4.4	5.4
140°	4.7	4.7	4.4	4.4	4.0	3.4	3.0	3.0	3.4	3.7	4.4
142.5°	3.7	3.7	3.7	3.7	3.4	2.7	2.4	2.4	3.0	3.4	3.7
145°	3.0	3.0	3.0	3.0	2.7	2.4	2.0	2.0	2.4	2.7	3.0
147.5°	2.4	2.4	2.7	2.7	2.4	2.0	1.3	1.7	2.0	2.0	2.4
150°	2.0	2.0	2.0	2.4	1.7	1.3	1.0	1.3	1.7	1.7	2.0
152.5°	1.7	1.7	1.7	1.7	1.3	0.7	1.0	1.3	1.3	1.7	1.7
155°	1.0	1.0	1.3	1.3	1.0	0.7	1.0	1.0	1.3	1.3	1.7
157.5°	0.7	0.7	1.0	1.0	1.0	0.7	0.7	1.0	1.0	1.0	1.3
160°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
162.5°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
165°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
167.5°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
170°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
172.5°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
175°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
177.5°	0.0	0.3	0.7	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	86.3	85.7	84.3	83.0	81.6	80.3	79.9	79.3	78.9	78.6	78.9
5°	89.7	87.7	84.6	81.6	78.9	76.6	74.9	73.2	71.9	71.2	71.2
7.5°	95.7	92.4	87.3	82.3	77.6	73.6	70.9	68.5	66.8	66.2	65.8
10°	105.1	101.1	93.7	85.7	78.6	72.6	68.5	65.8	64.2	63.2	63.2
12.5°	121.6	116.9	105.1	92.7	81.3	72.9	67.5	64.8	63.2	62.8	63.2
15°	147.5	140.1	122.9	105.1	87.7	73.6	66.8	65.8	66.5	66.8	66.8
17.5°	177.7	167.6	145.8	118.9	94.7	76.6	69.5	68.9	69.9	70.9	71.5
20°	211.6	198.5	166.9	132.0	99.4	81.0	72.2	70.9	73.2	75.2	74.9
22.5°	254.6	238.8	193.8	142.1	102.8	82.0	73.2	71.9	75.9	78.3	78.9
25°	311.0	288.5	225.4	152.8	104.8	80.6	72.6	72.9	78.9	83.6	84.6
27.5°	372.5	339.9	254.6	161.6	104.8	77.3	71.5	75.6	84.0	90.0	90.7
30°	439.7	394.4	280.1	168.3	101.8	73.9	70.5	76.9	85.3	91.7	92.4
32.5°	511.2	450.8	306.7	170.6	97.4	71.2	69.5	75.9	83.0	88.7	90.0
35°	574.7	501.2	317.1	167.3	91.4	69.2	67.2	72.6	79.6	86.7	87.0
37.5°	640.9	549.2	321.8	157.9	85.3	67.2	65.2	70.2	78.6	87.0	88.0
40°	669.1	561.6	308.4	144.8	79.6	65.8	64.2	69.9	78.9	87.3	88.7
42.5°	698.0	573.7	291.9	126.0	75.9	65.5	65.2	69.9	77.3	84.0	85.0
45°	747.4	600.6	284.5	113.2	73.9	66.5	66.2	68.9	74.2	80.3	82.3
47.5°	817.9	641.2	280.8	105.1	73.9	68.2	67.2	67.9	71.2	76.6	78.3
50°	908.3	697.7	285.5	100.8	75.6	70.5	68.5	67.5	68.9	74.6	76.6
52.5°	984.2	751.8	291.2	100.1	78.3	73.6	70.5	67.5	68.5	75.2	77.6
55°	1063.8	803.1	297.6	101.8	81.6	75.9	71.9	68.2	68.9	75.2	77.9
57.5°	1179.4	890.5	314.1	105.5	85.0	78.6	73.6	69.2	68.5	73.6	75.6
60°	1284.8	973.8	338.6	112.5	89.0	81.3	75.2	69.9	68.2	71.5	72.9
62.5°	1348.7	1018.8	348.0	119.2	93.0	83.6	75.9	69.9	69.2	72.2	73.2
65°	1414.5	1061.8	351.7	124.6	95.4	85.0	75.9	70.5	70.5	72.6	72.9
67.5°	1412.1	1052.4	343.0	127.3	97.4	85.7	75.9	70.5	71.2	73.2	73.6
70°	1350.3	998.3	321.1	127.0	97.1	84.6	74.6	70.2	72.9	75.2	75.6
72.5°	1168.9	858.2	285.9	122.9	94.1	82.0	72.6	69.5	73.6	76.9	76.9
75°	959.0	699.0	236.1	115.2	90.4	78.6	69.5	67.2	72.2	76.9	76.9
77.5°	755.4	547.2	191.5	105.1	85.0	74.6	65.8	63.2	68.9	73.2	72.9
80°	586.8	414.8	153.8	95.1	78.9	70.2	61.5	58.4	63.5	66.5	65.8
82.5°	450.1	319.4	127.0	85.7	72.9	65.2	57.1	54.4	59.1	61.1	60.5
85°	307.4	228.8	104.1	75.2	65.2	59.1	52.7	50.7	56.1	58.4	57.8
87.5°	202.9	157.2	87.0	66.2	57.4	53.1	47.7	47.0	53.1	55.4	55.1
90°	134.0	109.8	73.9	57.4	50.0	46.4	43.0	43.0	48.4	50.4	49.0
92.5°	88.3	77.9	58.4	48.7	42.7	40.3	38.3	38.0	42.7	43.3	42.3
95°	60.1	54.8	45.7	40.3	35.9	34.6	32.9	33.6	36.6	35.9	34.9
97.5°	43.0	41.7	36.9	32.9	29.9	29.6	28.9	29.2	30.9	29.6	28.9
100°	34.3	33.3	30.6	27.5	25.5	25.2	24.9	25.2	26.2	24.9	24.2
102.5°	27.5	27.5	25.5	23.2	21.5	21.8	21.8	21.8	22.2	20.2	20.2
105°	22.2	22.2	21.5	19.5	18.5	18.5	18.8	18.8	18.8	17.5	17.5
107.5°	17.8	18.5	18.1	16.5	15.8	16.1	16.1	15.8	15.8	15.1	15.1
110°	14.4	15.1	15.1	14.1	13.8	14.1	13.8	13.4	13.1	13.1	13.1



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.1	12.8	13.1	12.4	12.1	12.1	11.8	11.4	11.4	11.8	11.8
115°	10.4	11.1	11.4	10.7	10.7	10.7	10.1	9.7	9.7	10.4	10.4
117.5°	9.4	9.7	10.1	9.7	9.4	9.4	9.1	8.4	8.4	9.1	9.4
120°	8.4	8.7	9.1	8.7	8.4	8.1	7.7	7.4	7.4	8.4	8.4
122.5°	7.7	8.1	8.1	7.7	7.4	7.4	7.1	6.7	6.7	7.4	7.7
125°	7.4	7.4	7.4	7.1	6.7	6.4	6.0	6.0	6.0	6.7	6.7
127.5°	7.1	7.1	6.7	6.4	6.0	5.7	5.7	5.4	5.4	6.0	6.4
130°	7.1	7.1	6.4	6.0	5.7	5.0	5.0	4.7	5.0	5.7	5.7
132.5°	6.7	6.7	6.0	5.7	5.0	4.7	4.4	4.4	4.4	5.0	5.4
135°	6.4	6.0	5.4	5.0	4.4	4.0	4.0	4.0	4.0	4.7	4.7
137.5°	5.7	5.4	4.7	4.4	4.0	3.7	3.4	3.4	3.7	4.0	4.4
140°	4.7	4.7	4.0	3.7	3.4	3.0	3.0	3.0	3.4	3.7	3.7
142.5°	4.0	4.0	3.4	3.0	2.7	2.4	2.7	2.7	3.0	3.4	3.4
145°	3.4	3.0	3.0	2.4	2.4	2.0	2.0	2.4	2.7	3.0	3.0
147.5°	2.7	2.7	2.4	2.0	1.7	1.7	1.7	2.0	2.4	2.4	2.7
150°	2.4	2.4	2.0	2.0	1.3	1.0	1.3	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.7	1.3	0.7	1.0	1.7	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.3	1.0	0.3	1.0	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	0.7	0.3	0.7	1.0	1.0	1.0	1.3
160°	1.0	1.0	1.0	1.0	0.7	0.3	0.7	1.0	1.0	1.0	1.0
162.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	1.0	0.7	0.7	0.7
165°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.7	0.7
167.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.3	0.3
170°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.3	0.3
172.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.3	0.3
175°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.3	0.3
177.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.3	0.3
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)